

BOARD REVIEW QUESTIONS:

TRANSESOPHAGEAL ECHO



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19th
ANNUAL

BOARD REVIEW Q#1

IN WHICH OF THE FOLLOWING SITUATIONS IS TEE THE MOST APPROPRIATE NEXT STEP?

1. INITIAL EVALUATION OF AORTIC ROOT IN MARFAN PATIENT
2. SUSPECTED LV APICAL THROMBUS, SUGGESTED BY TTE
3. CONFIRM DIASTOLIC DYSFUNCTION, NOTED ON TTE
4. EVALUATE WALL MOTION, TECHNICALLY LIMITED TTE
5. PRE-CARDIOVERSION PT ON IV HEPARIN, NORMAL TTE

BOARD REVIEW Q#2

AN ABSOLUTE CONTRAINDICATION FOR PERFORMING TEE IS...

1. PREOPERATIVE PATIENT, BARIATRIC SURGERY NEXT WEEK
2. PATIENT WITH MALLAMPATI SCORE OF 2
3. SCLERODERMA PATIENT, RARE DYSPHAGIA
4. FEBRILE NEUTROPENIC PATIENT, PLATELET COUNT 51,000
5. CIRRHOSIS PATIENT WITH GRADE 1, NON-BLEEDING VARICES ON EGD 2 DAYS PRIOR

BOARD REVIEW Q#3

YOU JOIN YOUR FELLOW & ACLS CERTIFIED RN IN THE ECHO PROCEDURE ROOM, AND FIND THEY HAVE GOTTEN A "HEAD START" ON SEDATION. THE PATIENT IS IN NO OVERT DISTRESS, MAKES BRISK, PURPOSEFUL RESPONSES AFTER STERNAL RUB OR NIPPLE PINCH, IS BREATHING SPONTANEOUSLY, MAINTAINING O₂ SAT 95% ON 6L NP. THE LEVEL OF SEDATION IS:

1. MINIMAL SEDATION
2. MODERATE SEDATION
3. DEEP SEDATION
4. GENERAL ANESTHESIA

BOARD REVIEW Q#3

THE MOST APPROPRIATE NEXT STEP IN THE TEE PROCEDURE DESCRIBED:

1. ADDITIONAL FENTANYL IV TO ABLATE PURPOSEFUL RESPONSE TO PROBE INSERTION/MANIPULATION
2. PROCEED WITH PROBE INSERTION IMMEDIATELY
3. CHECK END TIDAL CO_2 – IF <50 MMHG, PROCEED WITH TEE
4. PATIENT IS STABLE, PERFORM “PAUSE FOR SAFETY” AND EDUCATE FELLOW / RN ON PROPER SEDATION TECHNIQUE
5. CONSIDER USE OF NARCAN OR FLUMAZENIL

BOARD REVIEW Q#4

REGARD THE FOLLOWING TEE VIEW:



BOARD REVIEW Q#4

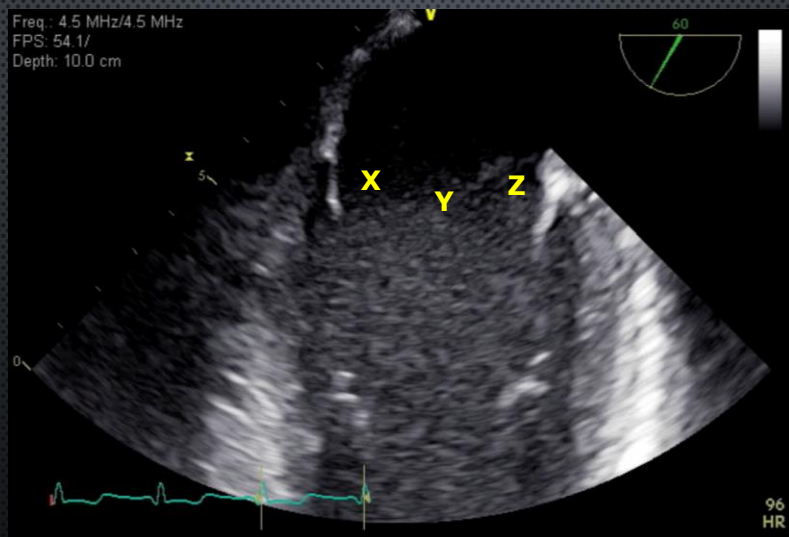
THIS VIEW IS TYPICALLY KNOWN AS

1. THE UPPER ESOPHAGEAL AORTIC VIEW
2. THE MID-ESOPHAGEAL LONG AXIS VIEW
3. THE MID-ESOPHAGEAL SHORT AXIS VIEW
4. THE TRANS-GASTRIC LONG AXIS VIEW
5. THE DEEP TRANS-GASTRIC VIEW



BOARD REVIEW Q#5

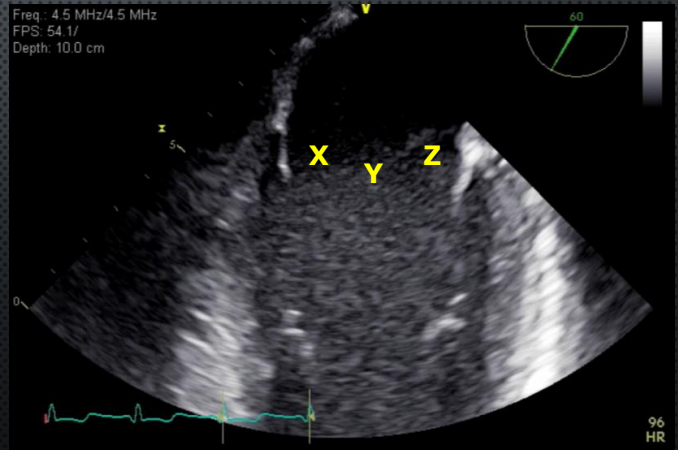
PERUSE THIS MID-ESOPHAGEAL VIEW OF THE MITRAL VALVE



BOARD REVIEW Q#5

FROM LEFT TO RIGHT, X – Y – Z REPRESENT:

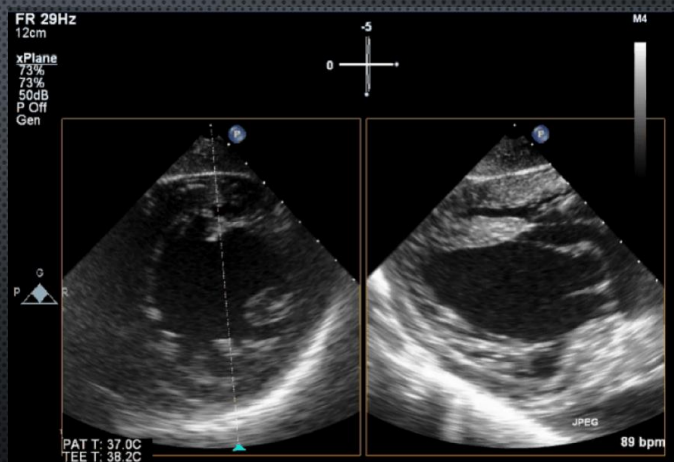
1. P3 – A2 – P1
2. P3 – P2 – P1
3. P2 – A2 – A1
4. A1 – P2 – A3
5. A1 – A2 – P2



BOARD REVIEW Q#6

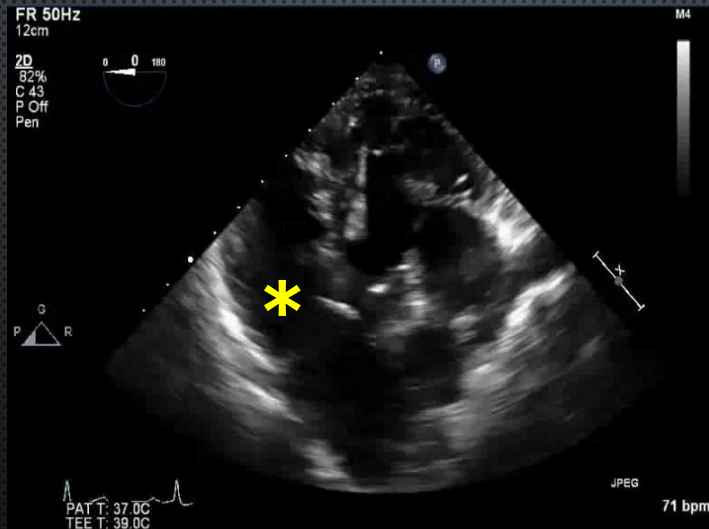
THE VIEWS OF THE LV REPRESENTED HERE ARE

1. TRANSGASTRIC 0° AND -5°
2. TRANSGASTRIC 0° AND 90°
3. TRANSGASTRIC 0° AND 85°
4. TRANSGASTRIC 0° AND 95°
5. TRANSGASTRIC 0° AND MID-ESOPHAGEAL 2 CHAMBER



BOARD REVIEW Q#7

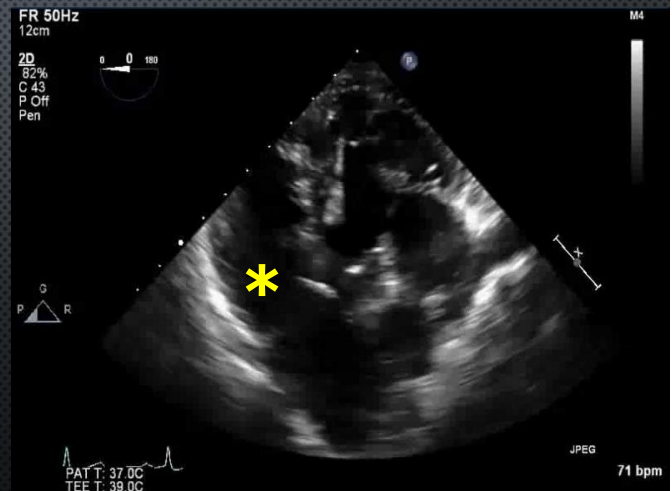
- PONDER THE FOLLOWING VIEW AND THE ASTERISK:



BOARD REVIEW Q#7

THE LOCATION OF THE ASTERISK (*) IS:

1. THE PERICARDIAL SPACE
2. THE ASCENDING AORTA
3. THE RV OUTFLOW TRACT
4. THE PULMONIC VALVE
5. THE RV APEX





Thank You!

